

$L_4(3).2_3 \pmod{2}$

	blocks	defect	matrix
2.G :	1	9	40×5
	2	4	7×1
	3	1	2×1
	4	1	2×1

Block 1:	$\varphi_{1,0}$	φ_{2+}	$\varphi_{4,0}$	φ_{5+}	$\varphi_{7,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.
$1_2 = \chi_{1,1}$	1	.	.	.	.
$52_1 = \chi_{2+}$	.	1	.	.	.
$39_1 = \chi_{4,0}$	1	.	1	.	.
$39_2 = \chi_{4,1}$	1	.	1	.	.
$52_2 = \chi_{5,0}$	.	1	.	.	.
$52_3 = \chi_{5,1}$	.	1	.	.	.
$130_1 = \chi_{6+}$	2	1	2	.	.
$90_1 = \chi_{8,0}$	.	1	1	.	.
$90_2 = \chi_{8,1}$	.	1	1	.	.
$468_1 = \chi_{9+}$	.	1	.	1	.
$520_1 = \chi_{11+}$	.	2	.	1	.
$260_1 = \chi_{13,0}$	.	.	.	.	1
$260_2 = \chi_{13,1}$	.	.	.	.	1
$351_1 = \chi_{14,0}$	1	1	1	.	1
$351_2 = \chi_{14,1}$	1	1	1	.	1
$390_1 = \chi_{15,0}$	2	1	2	.	1
$390_2 = \chi_{15,1}$	2	1	2	.	1
$468_2 = \chi_{20,0}$	.	1	.	1	.
$468_3 = \chi_{20,1}$	.	1	.	1	.
$1170_1 = \chi_{21+}$	2	3	2	1	2
$729_1 = \chi_{27,0}$	1	1	.	1	1
$729_2 = \chi_{27,1}$	1	1	.	1	1
$780_1 = \chi_{28,0}$	.	2	.	1	1
$780_2 = \chi_{28,1}$	.	2	.	1	1
$1040_1 = \chi_{29,0}$	.	2	.	1	2
$1040_2 = \chi_{29,1}$	.	2	.	1	2
$40_1 = \chi_{30,0}$	2	.	1	.	.
$40_2 = \chi_{30,1}$	2	.	1	.	.
$416_5 = \chi_{31+}$	.	.	.	1	.
$416_6 = \chi_{32+}$	.	.	.	1	.
$520_2 = \chi_{35+}$	.	.	.	.	2
$480_1 = \chi_{41,0}$	2	2	3	.	1
$480_2 = \chi_{41,1}$	2	2	3	.	1
$520_3 = \chi_{42,0}$	.	2	.	1	.
$520_4 = \chi_{42,1}$	.	2	.	1	.
$1040_3 = \chi_{43+}$	.	2	.	1	2
$1560_1 = \chi_{49+}$	.	4	.	2	2
$1080_1 = \chi_{51,0}$	2	2	1	1	2
$1080_2 = \chi_{51,1}$	2	2	1	1	2

$$\begin{aligned}
\varphi_{1,0} &= 1_1 \\
\varphi_{2+} &= 52_1 \\
\varphi_{4,0} &= 38_1 \\
\varphi_{5+} &= 416_1 \\
\varphi_{7,0} &= 260_1
\end{aligned}$$

Block 2:	$\varphi_{8,0}$
$416_1 = \chi_{16,0}$	1
$416_2 = \chi_{16,1}$	1
$416_3 = \chi_{17,0}$	1
$416_4 = \chi_{17,1}$	1
$832_1 = \chi_{18+}$	2
$832_2 = \chi_{37+}$	2
$832_3 = \chi_{39+}$	2

$$\varphi_{8,0} = 416_2$$

Block 3:	φ_{9+}
$1280_1 = \chi_{23+}$	1
$1280_3 = \chi_{45+}$	1

$$\varphi_{9+} = 1280_1$$

Block 4:	φ_{11+}
$1280_2 = \chi_{25+}$	1
$1280_4 = \chi_{47+}$	1

$$\varphi_{11+} = 1280_2$$